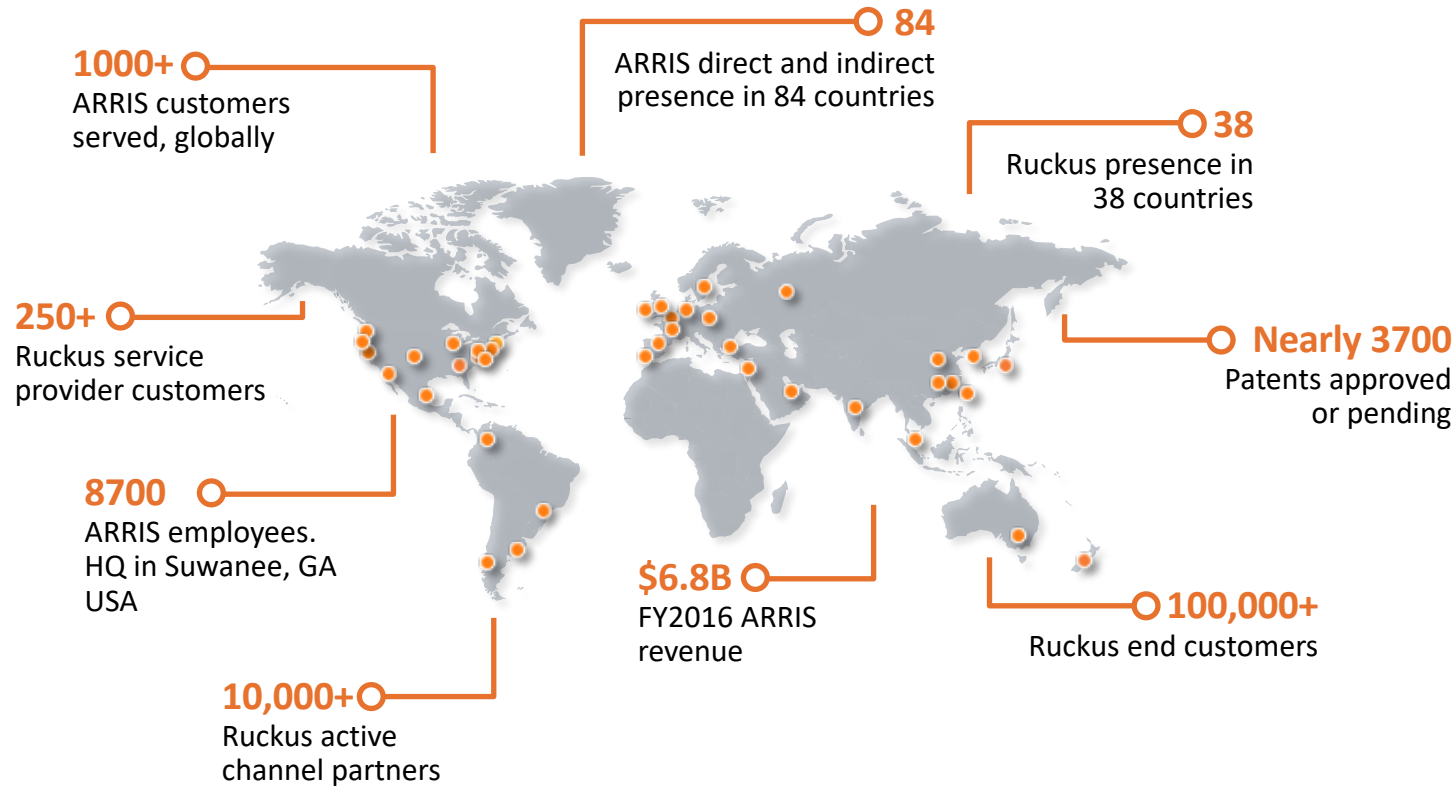


Presented to the Federal Communications

February 8, 2018



ARRIS / Ruckus Networks “At a Glance”



#1 in Hospitality Wi-Fi

#2 in Service Provider Wi-Fi

#1 in Residential Broadband

#1 in Cable Access & Transport

#1 in Residential Video

ARRIS / Ruckus Networks Global Relationships





- Founding Member
- Board Member
- Secretary
- Marketing Working Group Chair



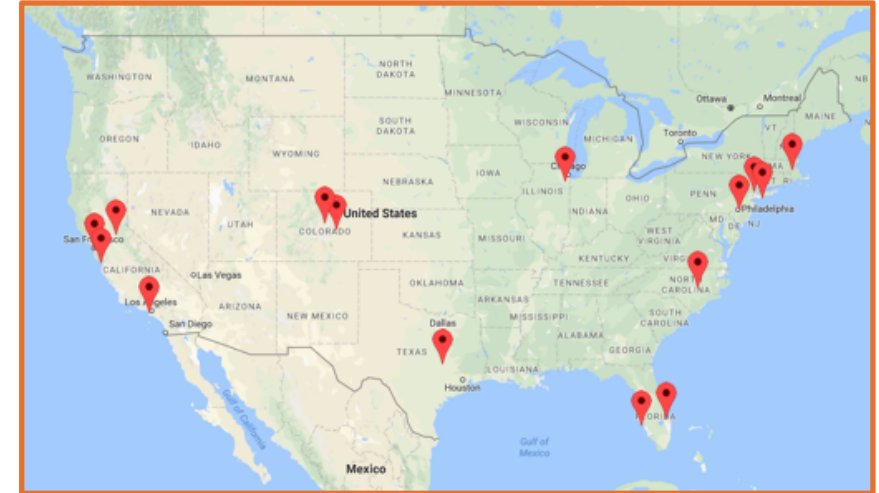
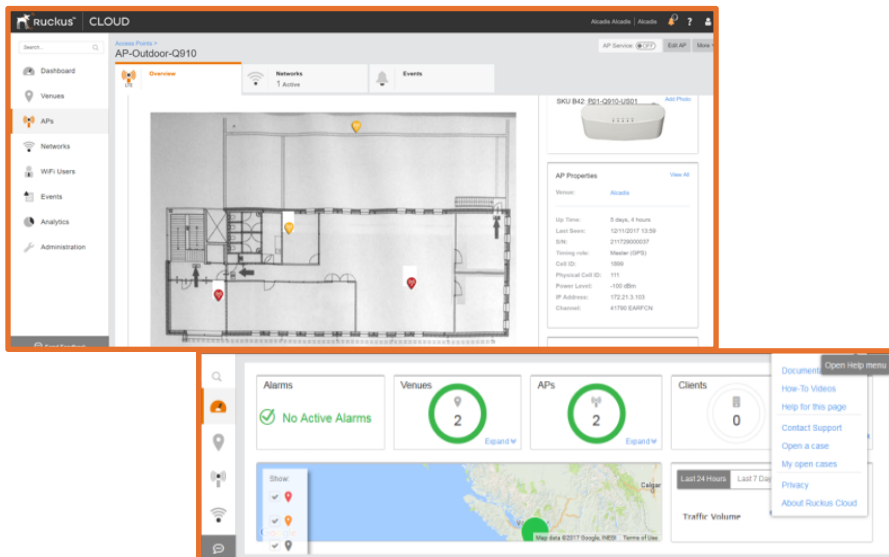
- Spectrum Sharing Committee Steering Group Member
- CBSD Test Task Group Chair

Investment in CBRS

CBSDs



Cloud Services Platform



- 25 Trials and Demonstrations Conducted or Ongoing
- Mobile, Cable, Neutral Host, and Enterprise
- Interoperability with leading SAS platforms (based on WInnForum specifications)
- Interoperability with leading EPCs

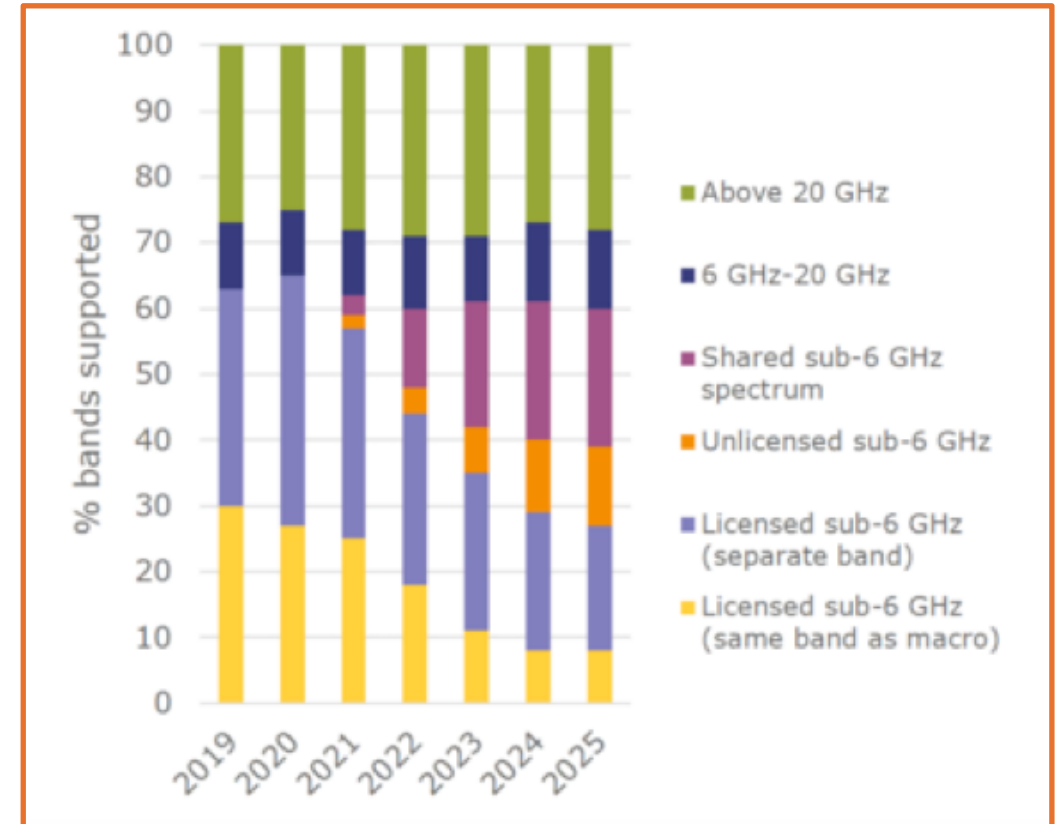
CBRS, on the Cutting Edge of 5G

Qualcomm 5G NR's use of Various Types of Spectrum



<https://www.qualcomm.com/news/onq/2017/04/26/3gpp-starts-study-5g-nr-spectrum-sharing>

Rethink Research 5G Small Cell Band Support



Rethink Research Q1 2018 Forecast

- Should benefit the entire CBRS ecosystem, not preferring any specific segment over others.
- Should provide the flexibility within the framework to adjust and adapt to free market forces and technology advances over time (e.g. mix of GAA/PAL access in a given area, allocation of PAL access rights, ability to transition between GAA and PAL tiers).
- Should not delay the Commission's certification of the SAS Administrators or ESC operators, the approval of CBSDs, or the authorization of GAA operation in the band.
- Should strengthen CBRS as a *“new tool in the regulatory toolkit”*, and not simply perpetuate the well established licensed/unlicensed paradigm.
- Should be concluded swiftly, providing certainty about both the GAA and PAL tiers of operation.

SIMPLY BETTER EXPERIENCES